

Visualizing and Predicting Heart Diseases with an Interactive Dash Board

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EXPLORATION OF BP VS CHEST PAIN BY AGE AND GENDER

BLOOD PRESSURE:

Blood pressure is the pressure of blood pushing against the walls of your arteries. Arteries carry blood from your heart to other parts of your body. Your blood pressure normally rises and falls throughout the day.

Blood pressure is measured using two numbers:

The first number, called systolic blood pressure, measures the pressure in your arteries when your heart beats. The second number, called diastolic blood pressure, measures the pressure in your arteries when your heart rests between beats. If the measurement reads 120 systolic and 80 diastolic, you would say, “120 over 80,” or write, “120/80 mmHg.”

HIGH BLOOD PRESSURE:

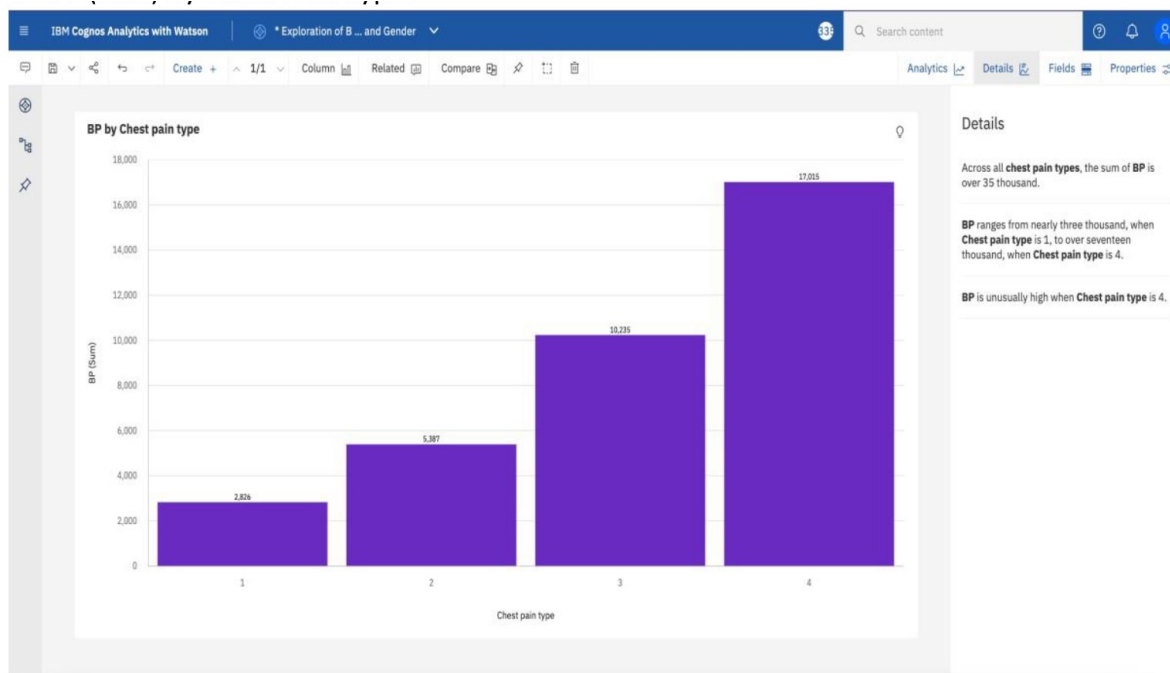
High blood pressure, also called hypertension, is blood pressure that is higher than normal. Your blood pressure changes throughout the day based on your activities. Having blood pressure measures consistently above normal may result in a diagnosis of high blood pressure (or hypertension).

High blood pressure can damage your arteries by making them less elastic, which decreases the flow of blood and oxygen to your heart and leads to heart disease. In addition, decreased blood flow to the heart.

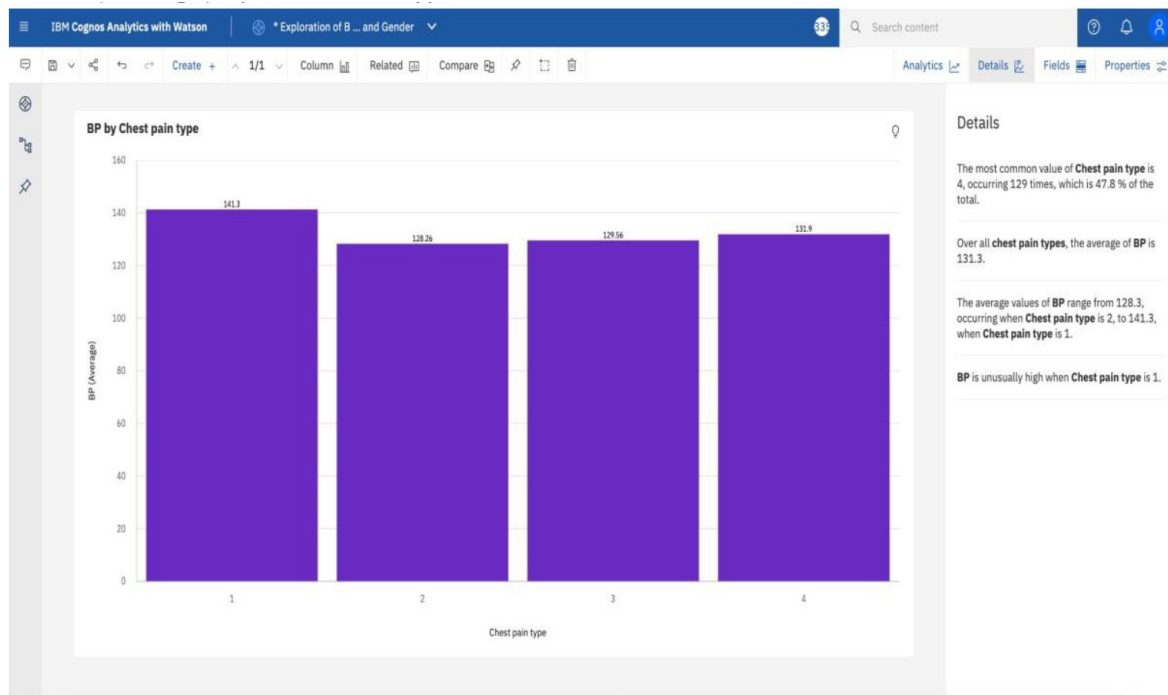
It can cause:

- Chest pain, also called angina.
- Heart Attack which happens when the blood supply to your heart is blocked and heart muscle begins to die without enough oxygen. The longer the blood flow is blocked, the greater the damage to the heart.
- Heart Disease a condition that means your heart can't pump enough blood and oxygen to your other organs.

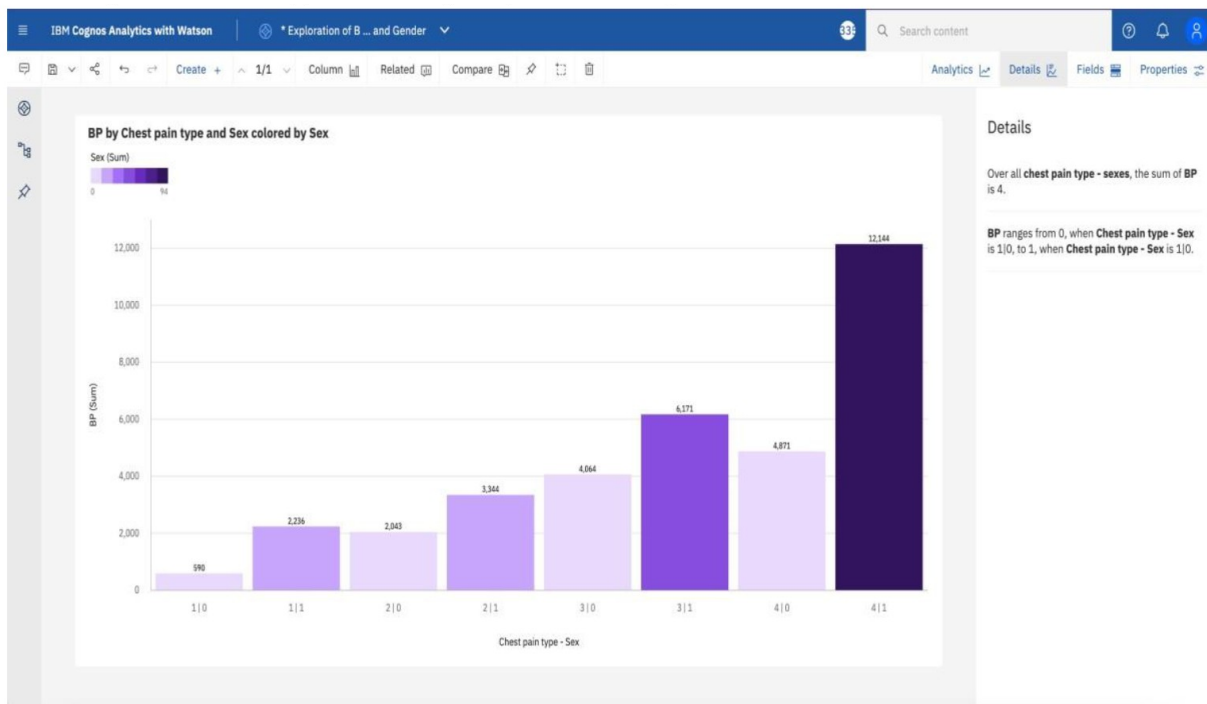
1.BP(SUM) BY CHEST PAIN BY TYPE



2.BP(AVERAGE) BY CHEST PAIN TYPE:



3.BP BY CHEST PAIN TYPE AND SEX(AVERAGE) COLOURED BY SEX



4.BP BY CHEST PAIN TYPE AND SEX(AVERAGE) COLOURED SEX

